

Covariance Session

Mini-CSEWG Meeting

Montauk, NY

21-23 June 2011

Session Outline and Goals

- Individual presentations on status of covariance work for VII.1
- QA requirements for ENDF/B-VII.1 covariances as adopted by CSEWG
- Tools for carrying out the covariance reviews for VII.1
- Discuss the review process and assignment of review responsibilities
- Discuss how to resolve any problems arising from the review process
- Time schedule for completion of review process and final approvals

Agenda

Review of $\beta 3$ covariances, June 23, morning

- Content and current status of ENDF/B-VII.1 ($\beta 3$) covariance data [Hoblit]
- Chi uncertainties for 235,238U, *take from JENDL-4?* [Talou]
- n+d covariances from microscopic RGM calculations [H. Hofmann]
- Impact of $\beta 3$ covariances on criticality safety [Dunn]
- Quick review of QA requirements for ENDF/B-VII.1 covariances [Smith]
- Status of NNDC tools for mathematics, format, and processing QA testing of ---
- ENDF/B-VII.1 ($\beta 3$) covariance data [Hoblit, Sonzogni]
- Status of NNDC tools for on-line visualization of ENDF/B-VII.1 ($\beta 3$) covariance data to facilitate the QA review process - *on-line demonstrations* [Sonzogni, Pritychenko]
- Preparation of an on-line template for submission of reviews to the NNDC, [All]

Review of $\beta 3$ covariances (including standards), June 23, afternoon

- Assignment of covariance review responsibilities, [All]
- Procedure for dealing with negative comments from reviewers, [All]
- Time schedule for completion of reviews and finalization of covariance data, [All]
- Other topics

Status

Neutron reaction covariances in the ENDF/B-VI.8, -VII.0, and -VII.1 neutron sublibraries (including Standards)

MF	VI.8	VII.0	VII.1*
31	8	3	72
32	4	10	54[#]
33	705	128	180
34	0	0	67[#]
35	0	0	62
40	2	1	0 ?
Total	719	142	435

* Tentative: From Mike Herman's presentation on 6/21/11

Probably will not be considered by the independent reviewers